Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/29/2019 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124301	-1	1.94	124333	1.94
Blue	F	SSC	125000	124396	-1	1.50	125156	1.46
Blue	E	FITC	16433	16161	-2	2.65	352	19.64
Blue	D	PE	27595	27426	-1	1.86	597	14.19
Blue	B	PerCP-Cy5-5	43183	42996	-1	3.56	1152	19.55
Blue	A	PE-Cy7	31943	31888	-1	5.85	611	39.07
Red	C	APC	42819	42454	-1	2.40	1499	12.00
Red	A	APC-Cy7	31261	30374	-3	2.30	804	11.84
Violet	B	V450	6527	6344	-3	4.34	354	13.75
Violet	A	V500	24533	23729	-4	4.11	552	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17919	10.35	608	8	N/A	N/A	Pass
Blue	F	SSC	56637	1.06	550	2	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0208	112	Pass
Blue	D	PE	124	48.23	535	1	0.1796	280	Pass
Blue	B	PerCP-Cy5-5	213	46.98	645	3	0.0098	31	Pass
Blue	A	PE-Cy7	114	97.54	693	4	0.0120	19	Pass
Red	C	APC	355	25.29	581	-2	0.0252	172	Pass
Red	A	APC-Cy7	178	27.68	560	-3	0.0056	605	Pass
Violet	B	V450	54	61.54	448	-7	0.0441	1869	Pass
Violet	A	V500	83	34.78	459	-8	0.0242	1033	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.49	-31.94	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.57	13.60 - 20.40	N/A	N/A	29.53	30.02	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11345

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments